

## Digital Solution

**CALKiN**  
digital solution

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# VEGA

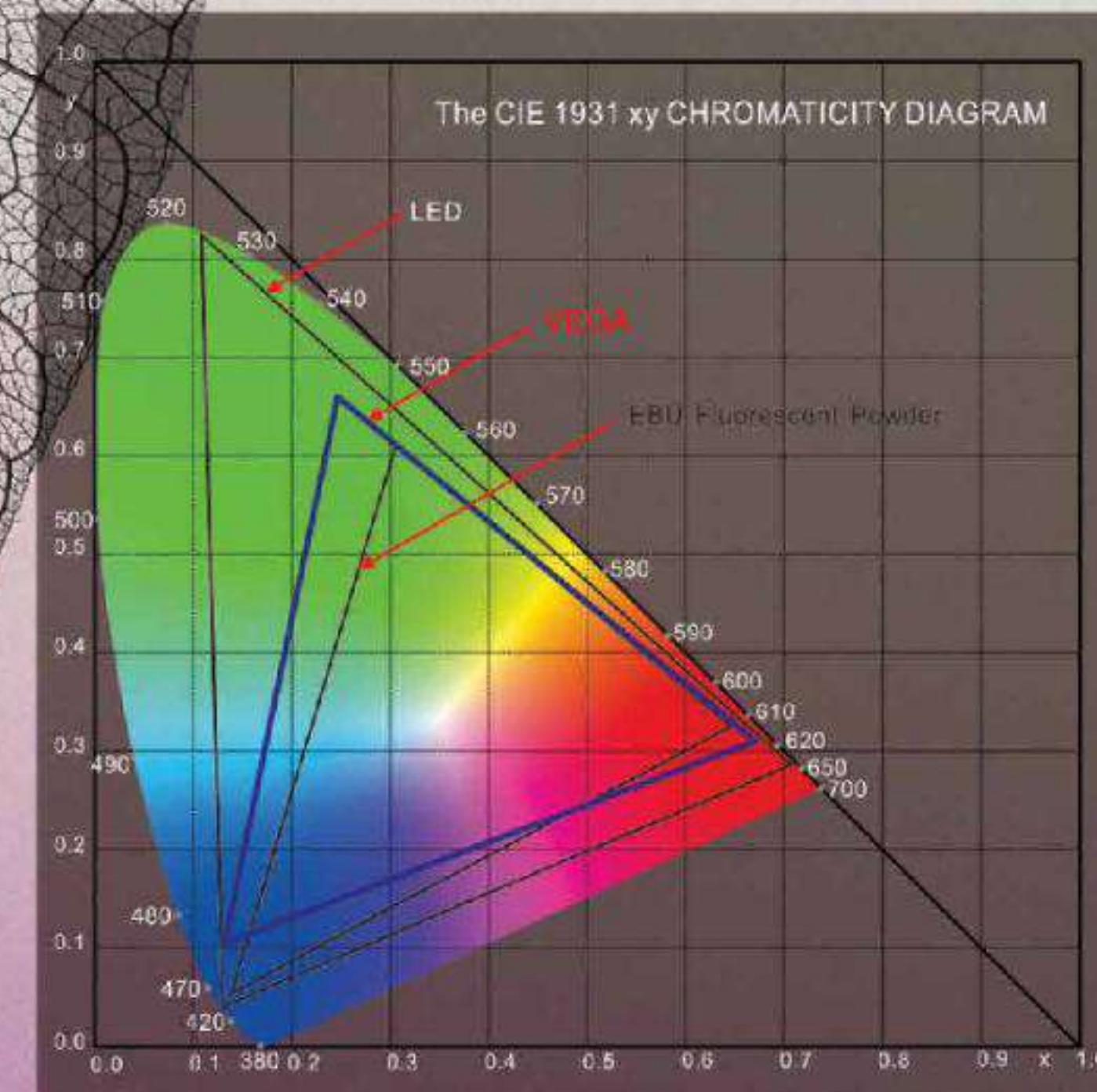
The Integrated LED Display Terminal



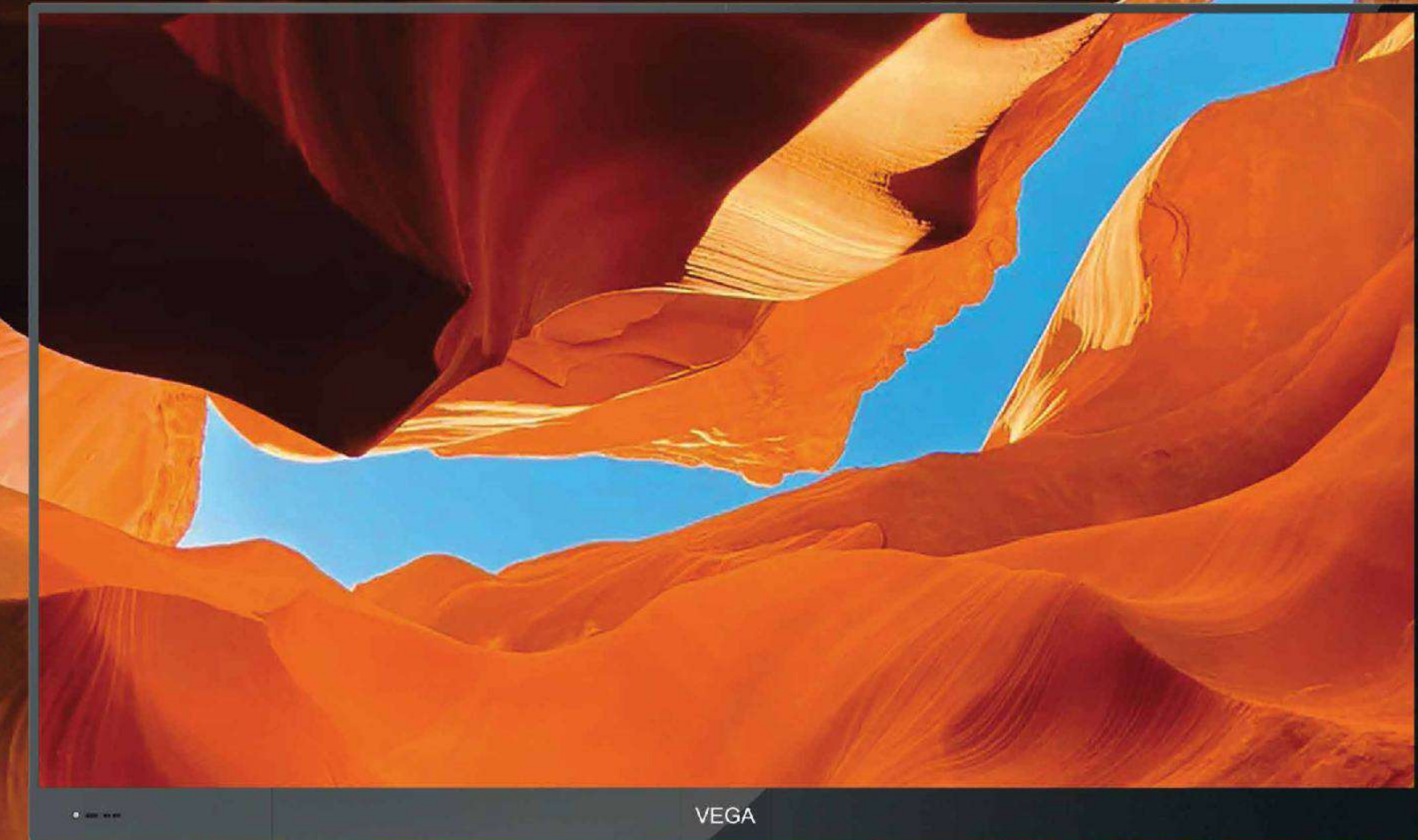
LCD

VEGA

Picture Engine  
Truecolor restores by CALKiN  
Picture Engine Technology;  
Level-by-level fine grayscale calibration brings  
super natural image demonstration.



True-to-life Broadcasting  
Restores the Beauty of Nature



NTSC-broadcasting-level color gamut delivers more enticing presentation in full details;  
100-600nits brightness adjustment brings higher viewing comfort without visual fatigue;  
TÜV certified low blue light protects eyes from harmful high-energy shortwave lights.

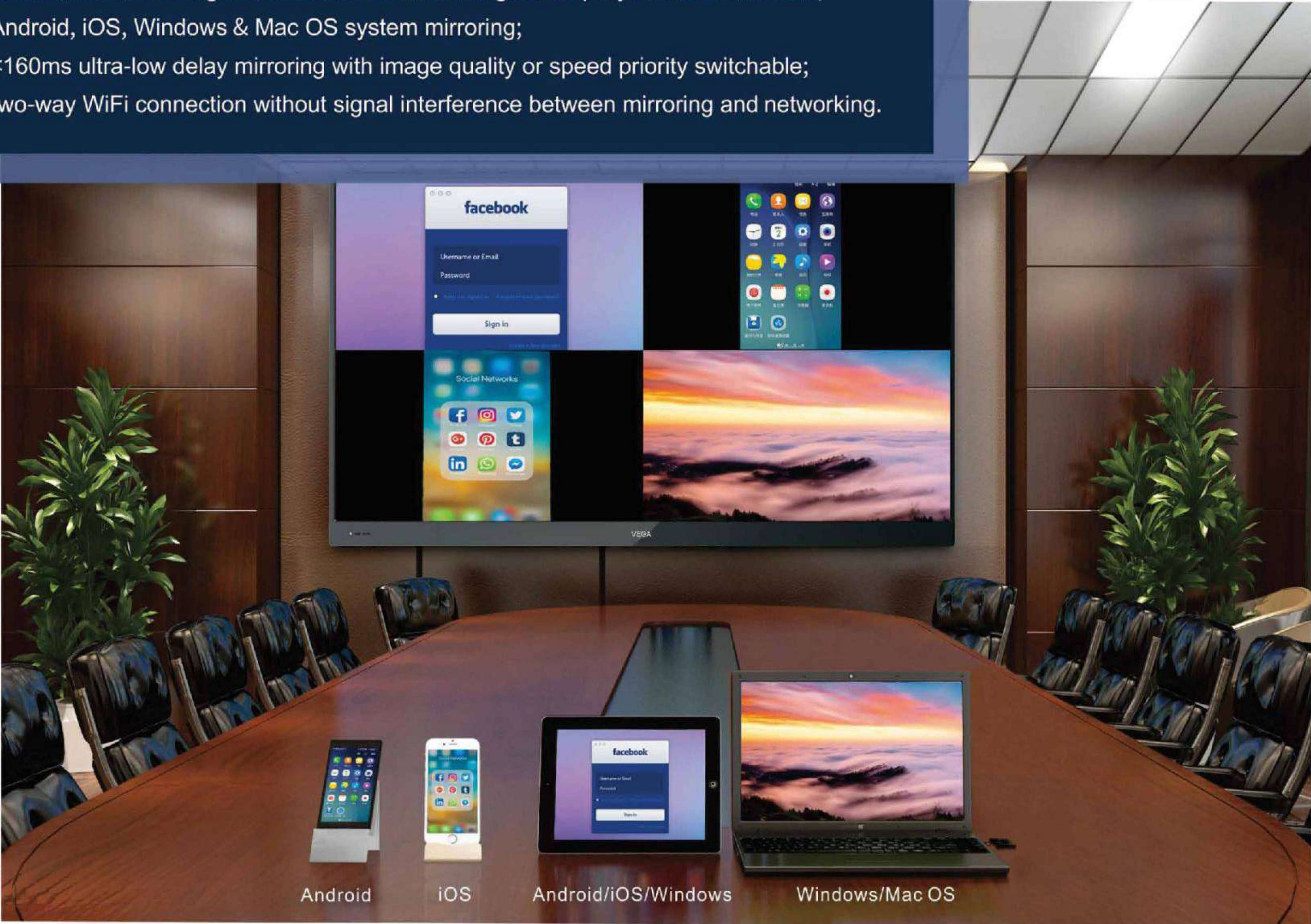
# Extensive View Turns Every Seat into VIP One



160° wide viewing angle causes no worry of color distortion and glistening effect anywhere in the meeting room;  
Sharp and clear meeting contents are provided as always to concentrate attendees' attention all the time.

# Wireless Mirroring Shares Your Ideas Instantly

Support 8-channel mirroring access and 4-channel signal display at the same time;  
Support Android, iOS, Windows & Mac OS system mirroring;  
Support <160ms ultra-low delay mirroring with image quality or speed priority switchable;  
Support two-way WiFi connection without signal interference between mirroring and networking.



Android      iOS      Android/iOS/Windows      Windows/Mac OS

# Intelligent Cluster Management, Centralized Remote Control



Meeting Room

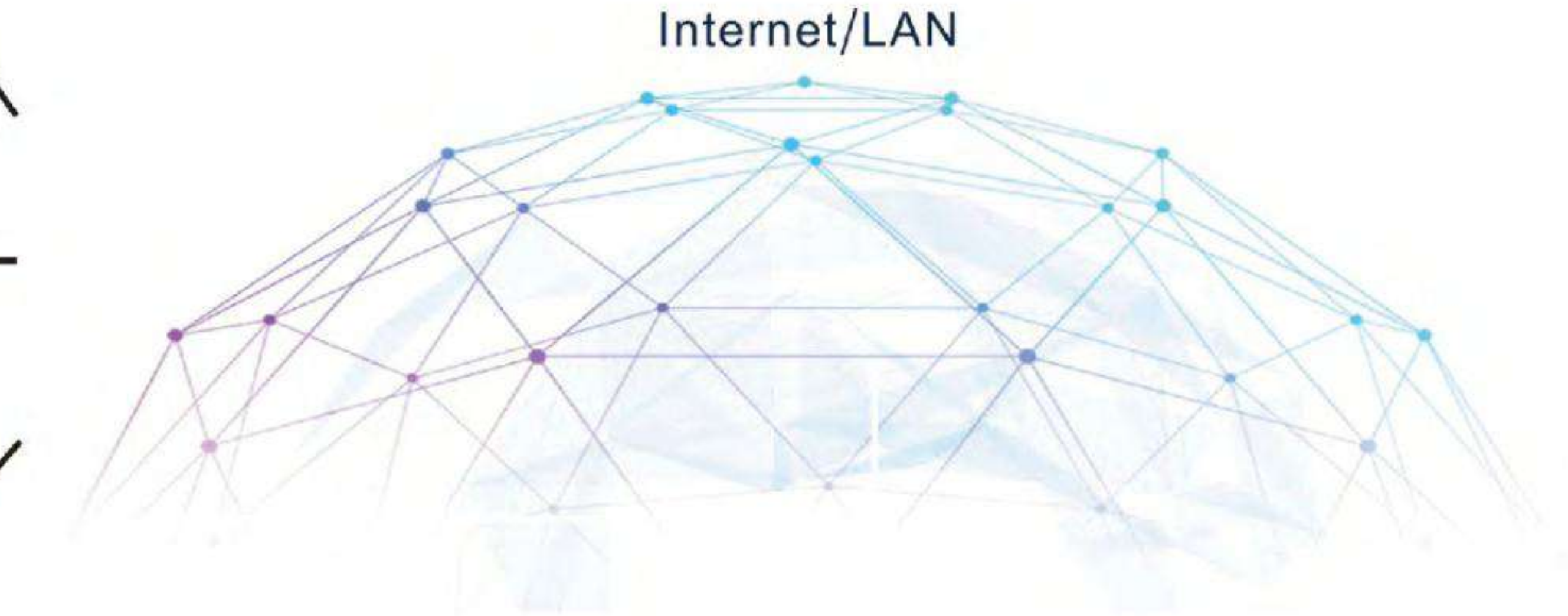


Training Room



Lecture Hall

Exclusive intelligent central control software conducts 24/7 remote monitoring of the temperature, voltage, and interface working status of VEGA ; Ethernet interface and serial interface can be integrated by a third-party central control system to realize unified monitoring, management and operation of multiple VEGAs.



Status: ok  
Temperature: 35°C  
Voltage: 3.5V  
.....

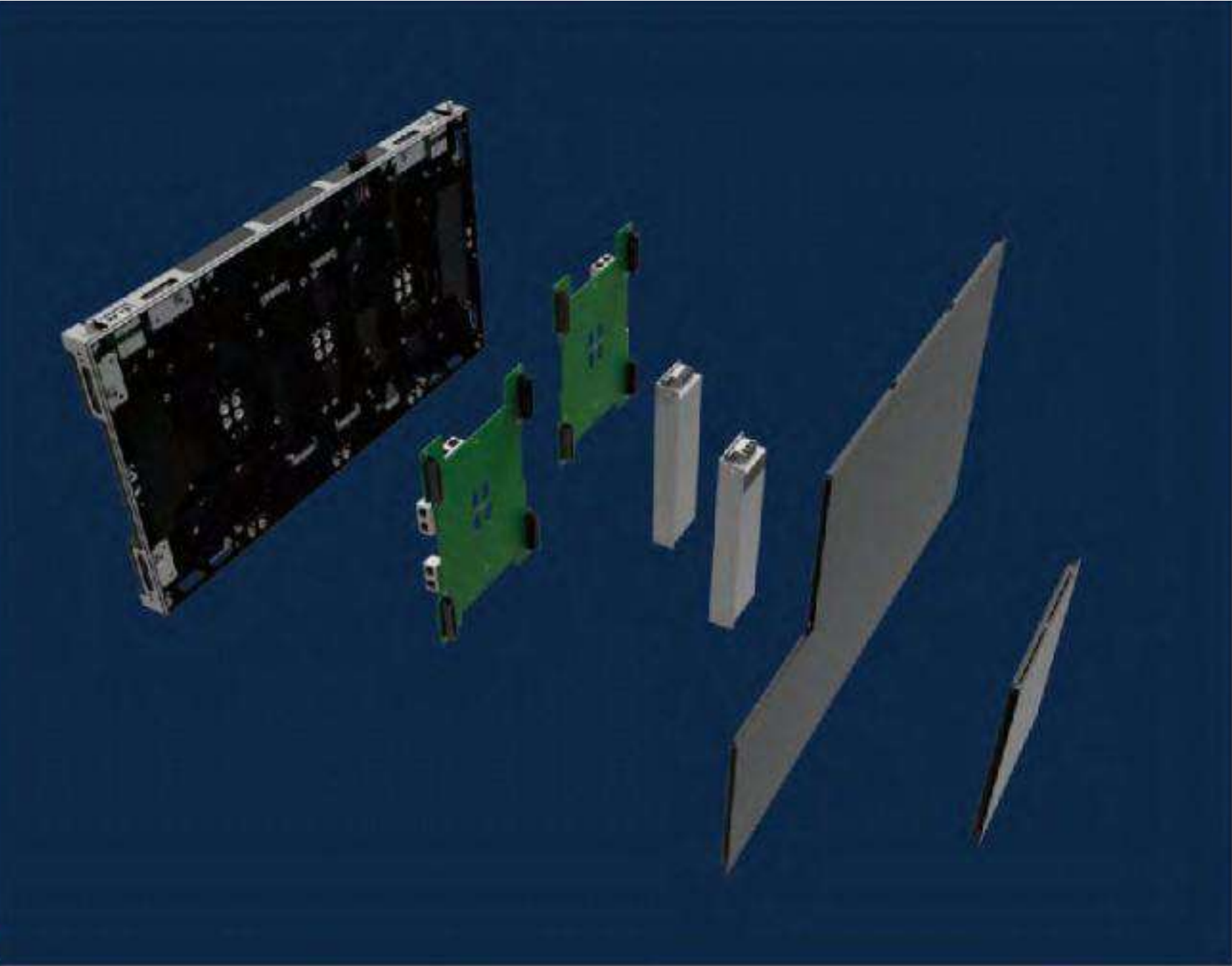


Mobile Remote Control

# Front-serviceable Panels, Easy-to-maintain VEGA



Modularization design allows all parts to be replaceable; Complete front-accessible serviceability frees rear space reserved for maintenance; Minimize fault area by adopting smaller module of display units; Pixel-level on-site maintenance saves the cost of return-to-factory repair.



# VEGA Profile

Committed to improve customers' experience and meeting efficiency, VEGA, an integrated LED display terminal developed by CALKIN, can help to achieve an ultimate business meeting comfort of "interaction by visualization, communication without restriction". Associated with keywords of simplification, intelligence, stability and exquisiteness, it can create a more relaxing and pleasant business atmosphere for all attendees.

VEGA has integrated frequently-used meeting functions including wireless mirroring, video conferencing and interactive writing. Standing out with FHD giant screen, extraordinary display effect, extremely simplified operation, intelligent cluster management and more, VEGA can be widely used in different scenarios such as medium and large meeting rooms, conference halls, multi-functional halls, multimedia rooms, and lecture theatres to break through the space limitation and quickly gather various viewpoints from multiple terminals. All is designed to free your imagination during collaboration.



***Present intelligently. Work efficiently.***



FHD  
Display



Huge  
Screen



Quick  
Start



One-button  
Control



Video  
Conference



Wireless  
Mirroring

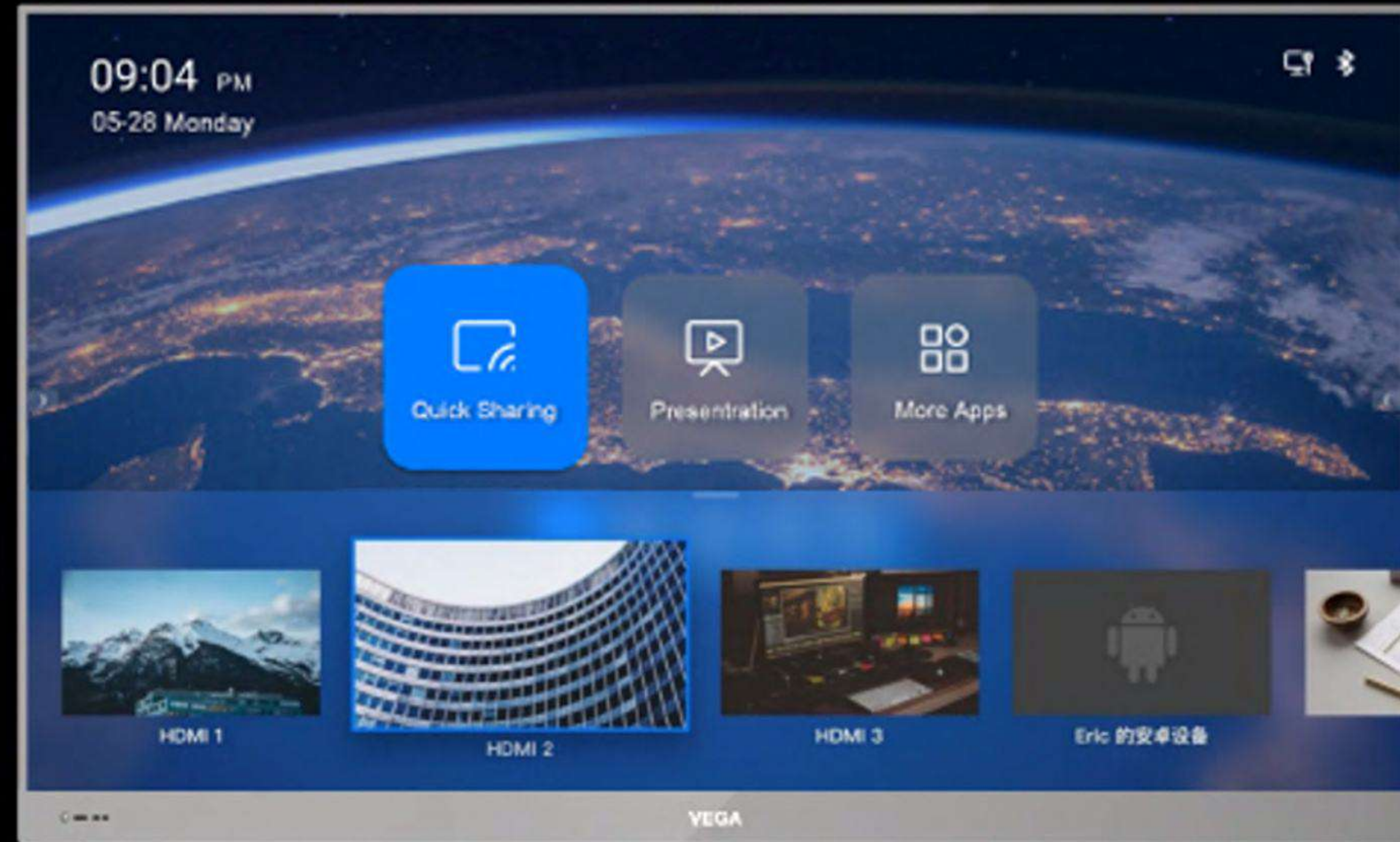


Dual  
System



Intelligent  
Monitoring

## ► Content-Preview Signal Switching

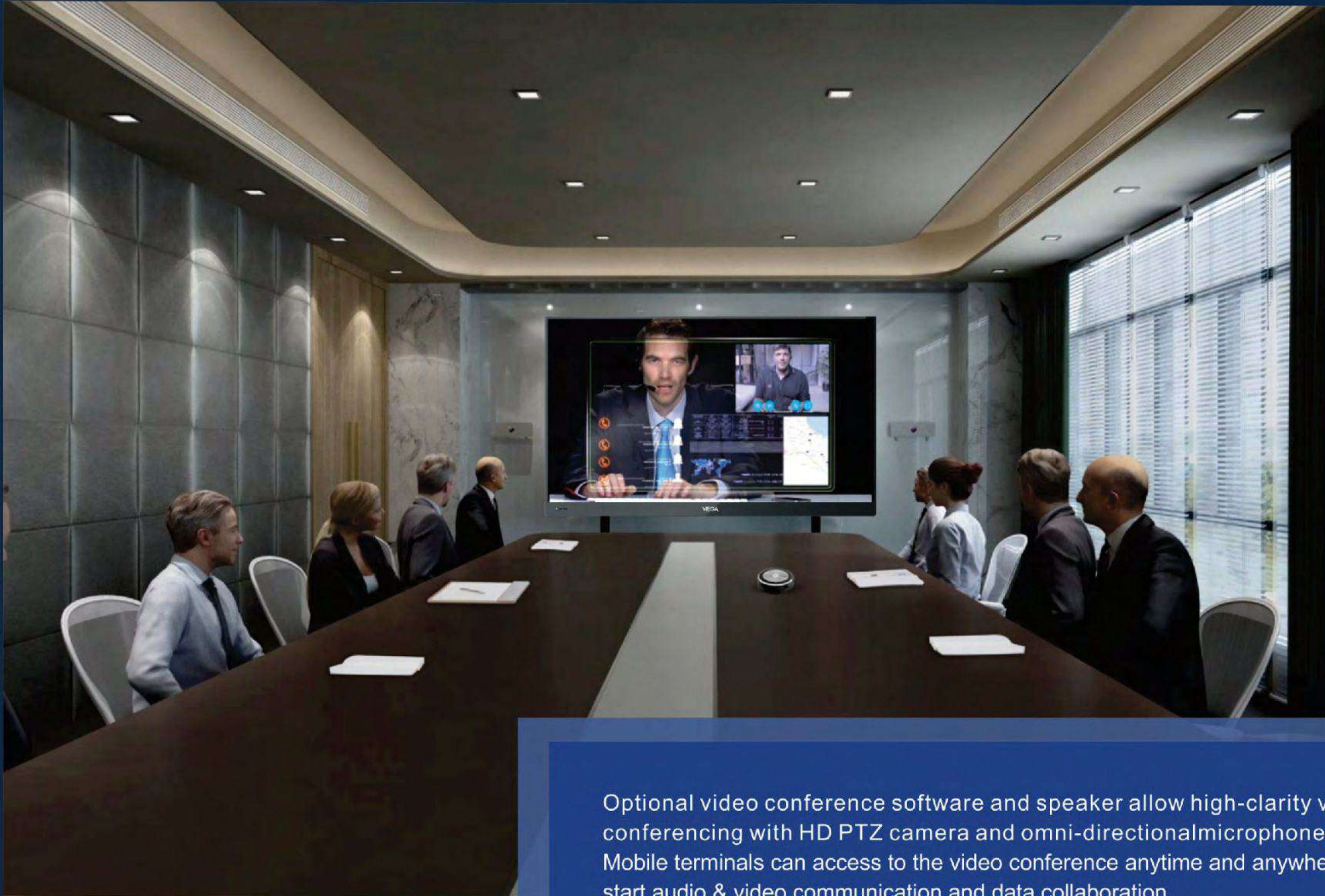


- Various HDMI, wireless mirroring and other signal sources can be switched smoothly without buffer;
- Signal preview function ensures the consistency of preview contents and broadcasting ones, avoiding mirroring of irrelevant signals;
- Automatic signal source switching is also enabled for rapid plug-and-change broadcasting.

## ► All in One



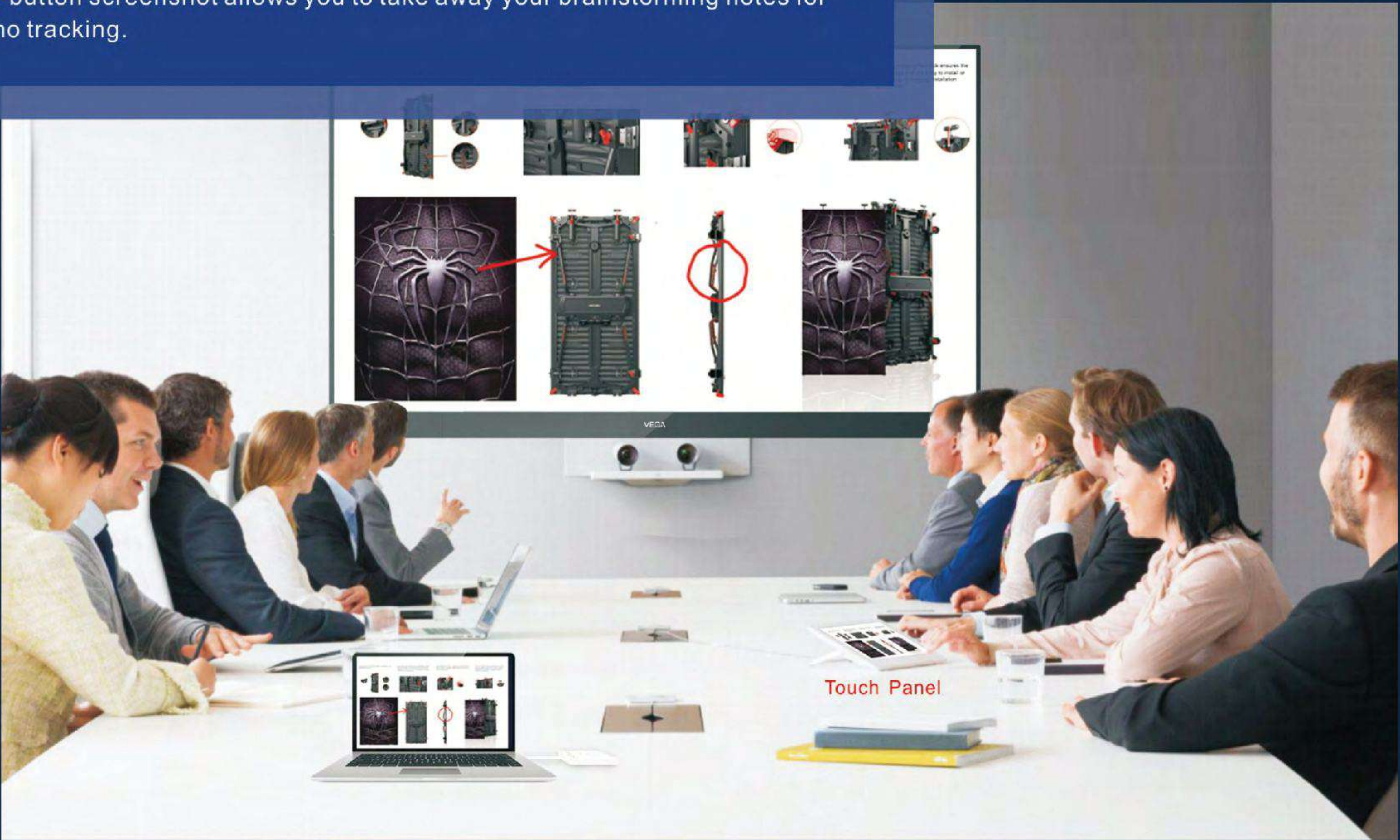
# Remote Video Conference Opens the Collaboration 3.0 Era



Optional video conference software and speaker allow high-clarity video conferencing with HD PTZ camera and omni-directional microphone; Mobile terminals can access to the video conference anytime and anywhere to start audio & video communication and data collaboration.

# Interactive Writing Records Your Inspiration Synchronously

Synchronize your drafting, annotation or other writing on VEGA from various accessed devices such as mobile phones, tablets and laptops; Share your ideas and highlight your content even without leaving your seat; One-button screenshot allows you to take away your brainstorming notes for memo tracking.



# Simple menu adjustment from remote control



Effect adjustment screen

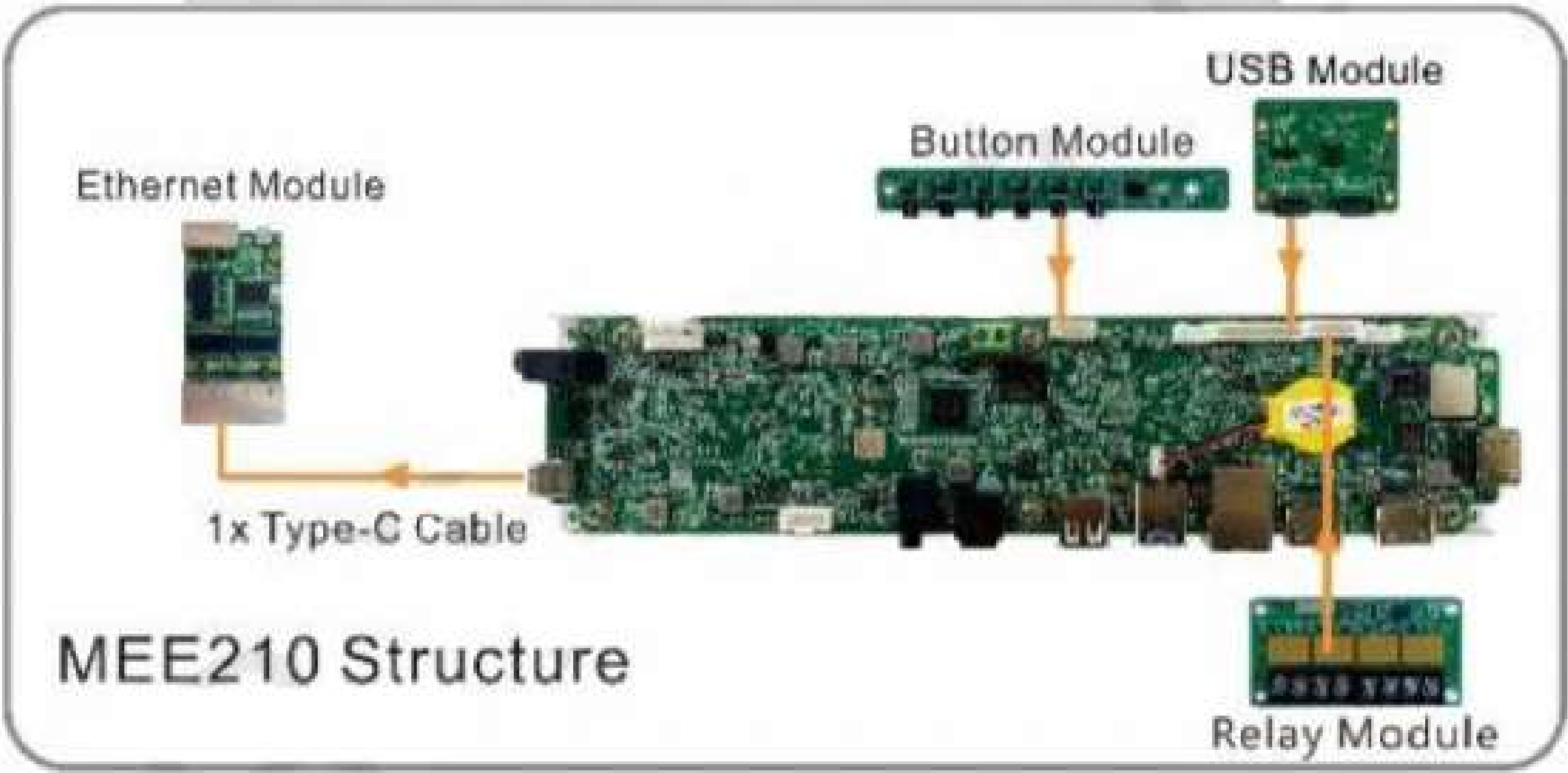


- Press: Return to home page.  
Hold down: Switch app.
- Press: Open menu.  
Hold down: Check wireless mirroring info.
- Press: Switch input source.

Bluetooth Remote

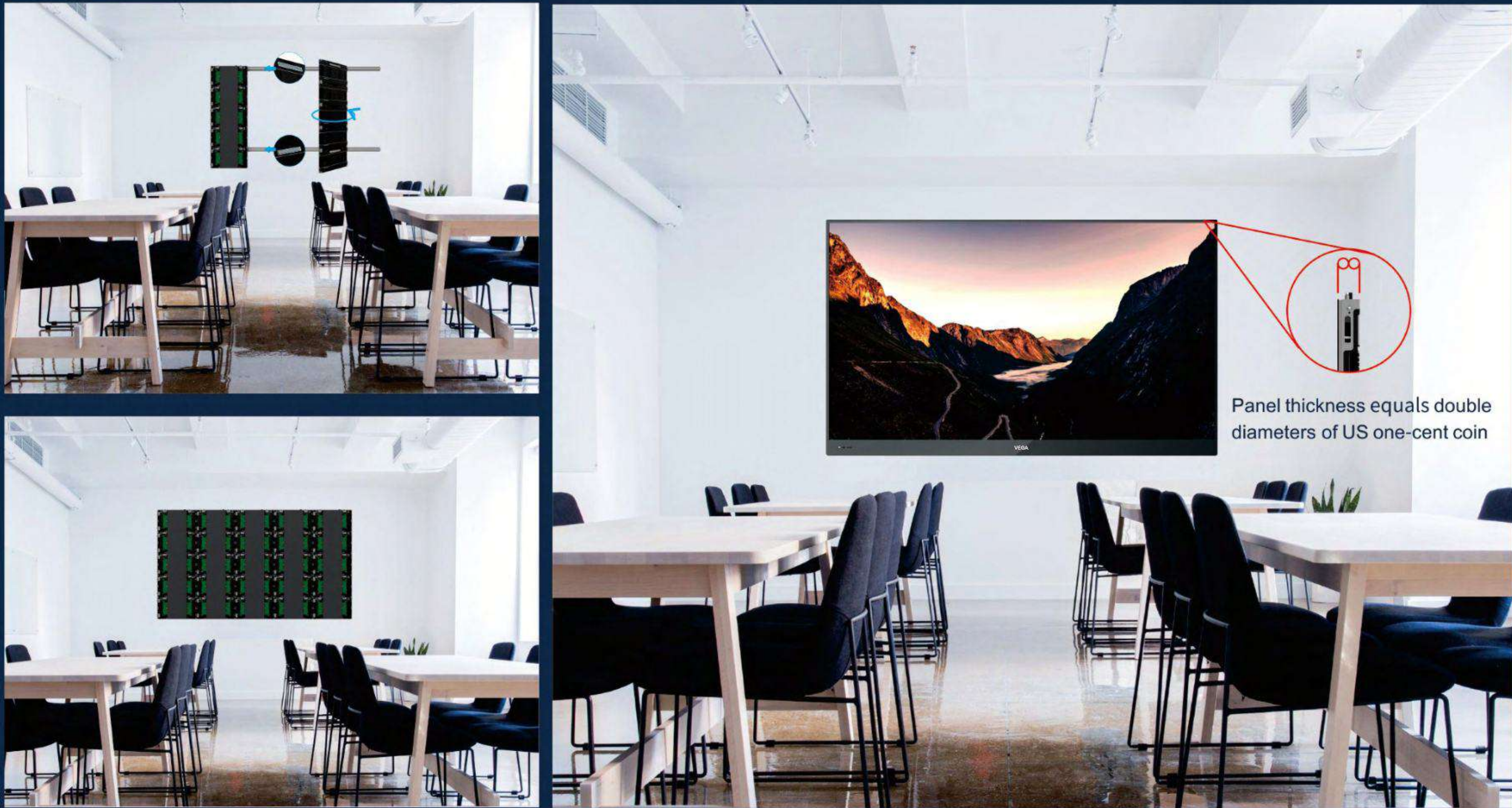


MEE210 Meeting Board

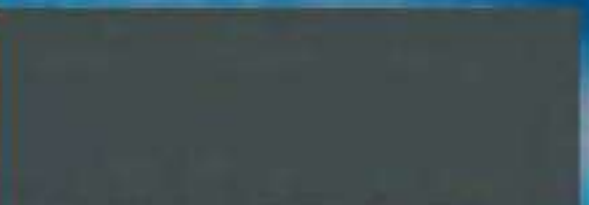


MEE210 Structure

# Extremely Slim Artwork, Blend with the Wall



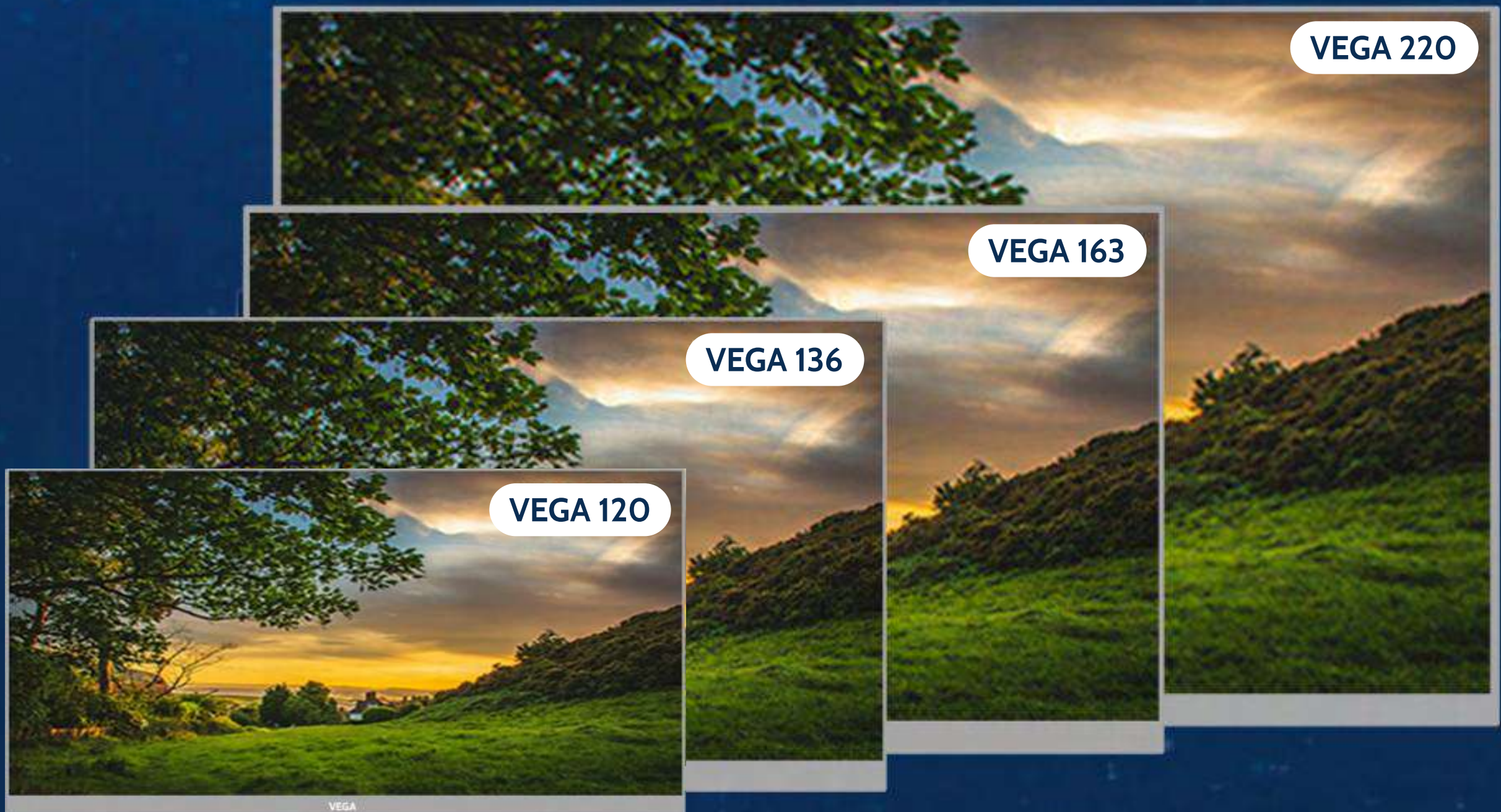
39mm slim panels add design aesthetics to your space ;  
Super narrow bezel creates a more modern business style ;  
Modularization design allows quick installation and debugging by only 2 people within 2 hours.



Obsidian Black



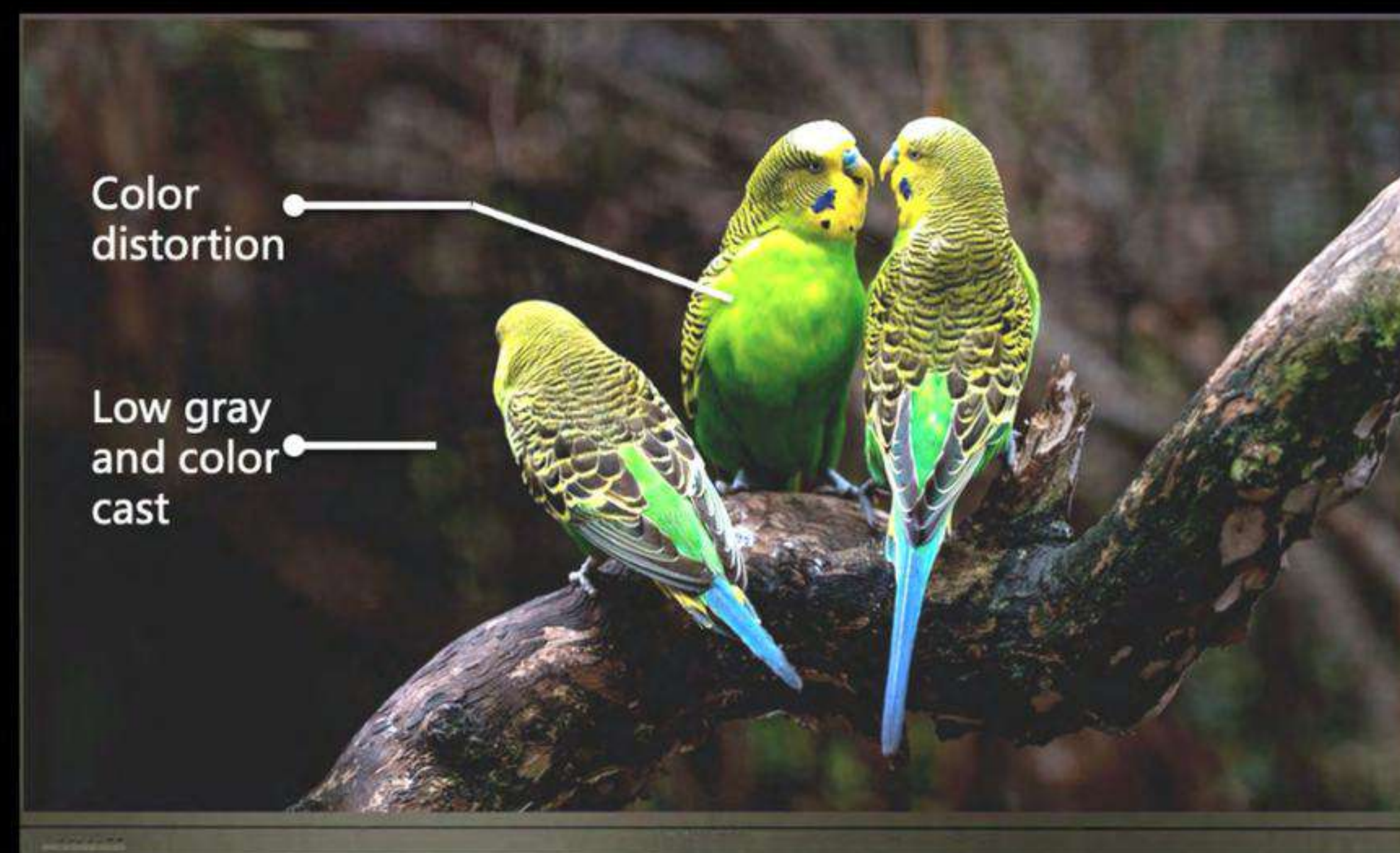
Glacier Silver



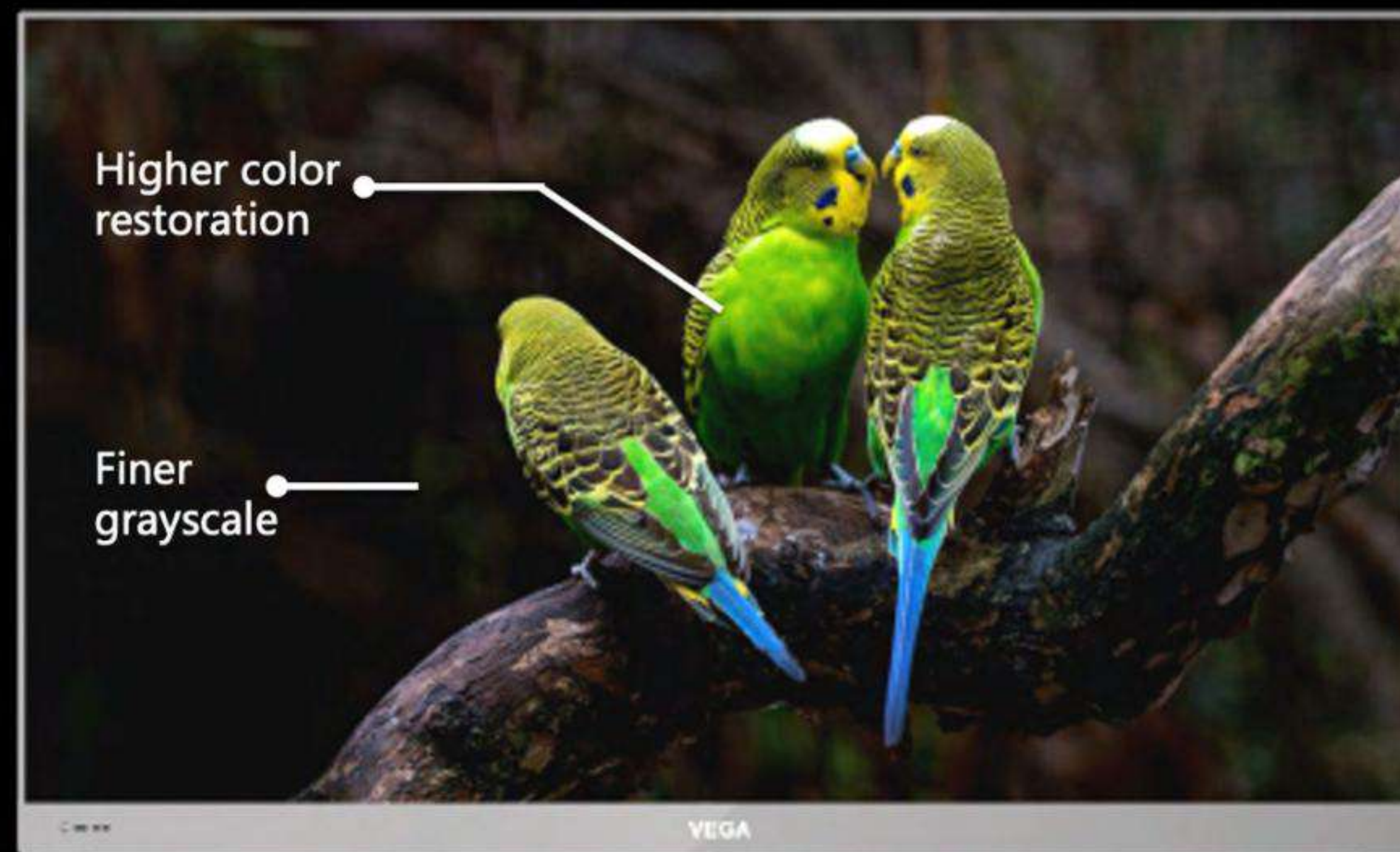
## Optional Sizes & Colors, Multi-occasion Applicable

Standard 16:9 display ratio & 1920\*1080 FHD resolution;  
Wall-mounting or mobile stand is optional to harmonize your fittings ;  
Obsidian black and glacier silver painting colors generate modern business atmosphere.

## ► Restore the Real Colors



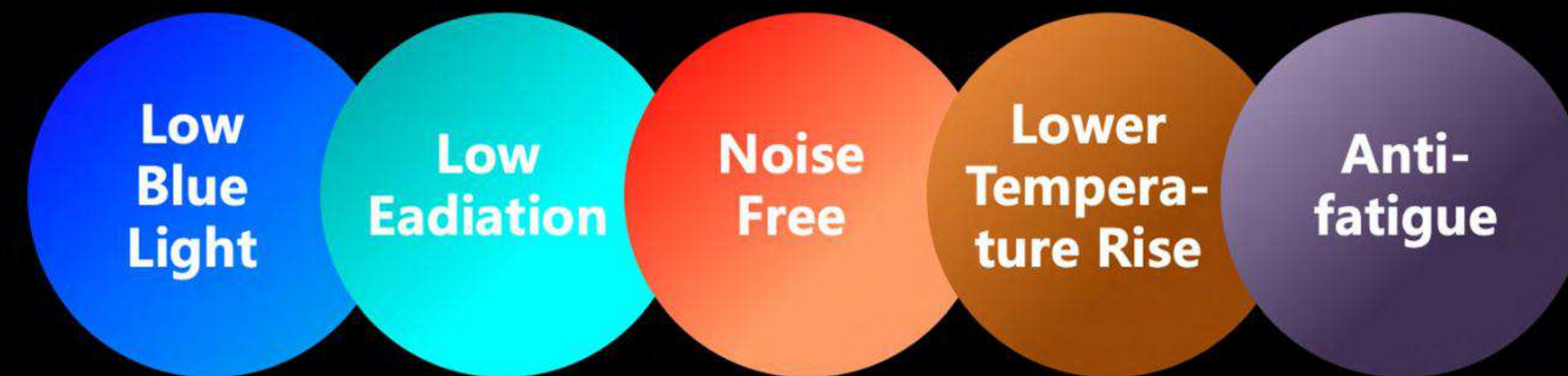
**Conventional Meeting Display**



**VEGA Integrated LED Display Terminal**

- NTSC broadcast-level color gamut allows more gorgeous presentation in higher clarity;
- 100-600nits brightness adjustment adapts to your room lighting condition accordingly to cause no visual fatigue;
- Brightness and chroma intelligent calibration makes VEGA in sharp and uniform broadcasting all the time without uneven brightness and color spots.

## ► Eye-Friendly Viewing Comfort



- IEC/EN6247 Photo-biological safety testing
- TUV-EMC Class B
- Fanless design
- Quiet operation
- Heat dissipation structure
- Energy saving certification
- Intelligent brightness adjustment
- Eyes protection mode

Strictly comply with the int'l testing standards, and each component has undergone strict testing during manufacturing to ensure no harm to human body

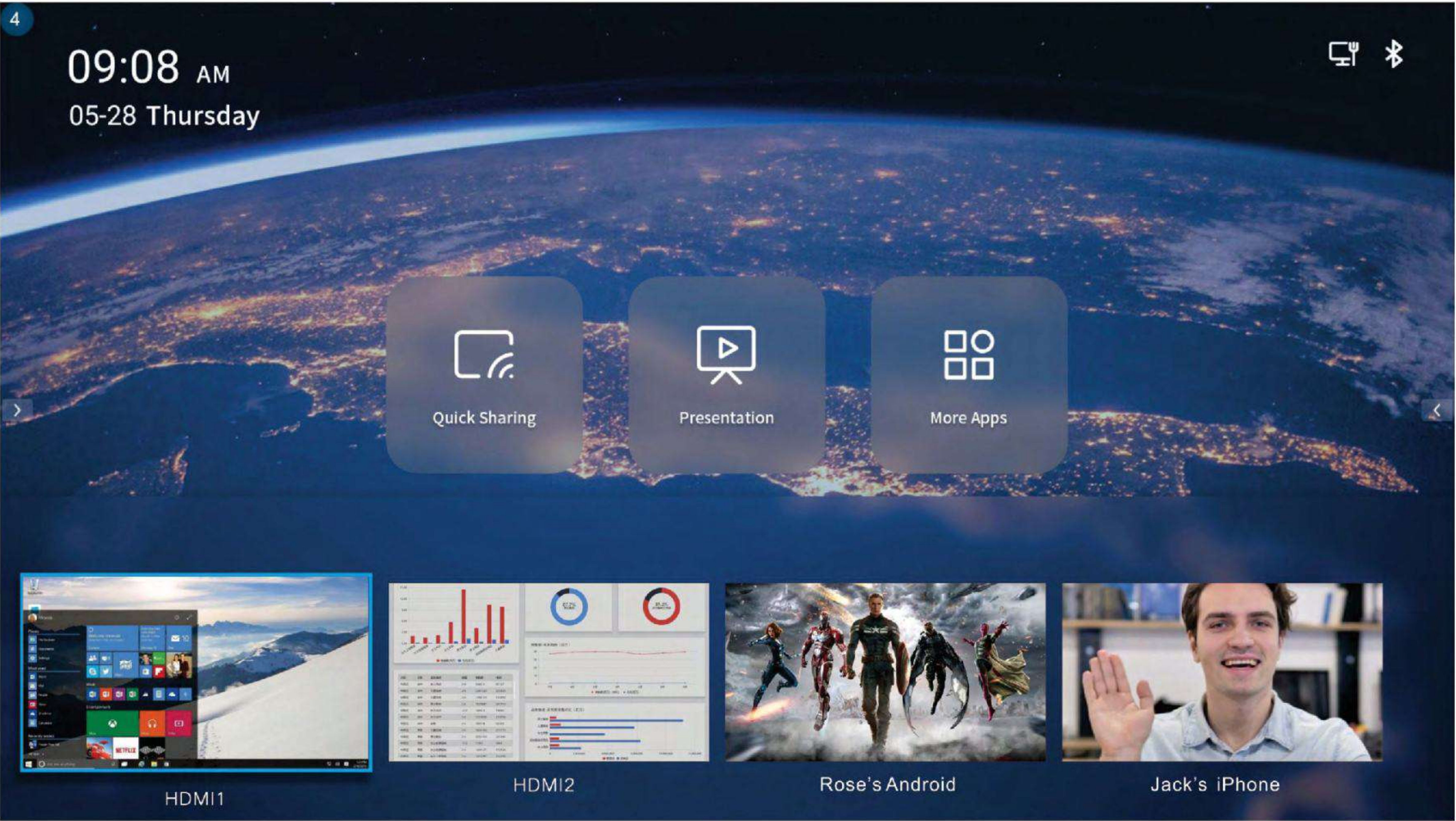
Fanless design complying with <45dB indoor noise standard

All-aluminum laminated silicone brings more high-efficiency heat dissipation and more uniform display effect

Filter out harmful high-energy shortwave blue light between 435nm-440nm wavelength through intelligent adjustment of color temperature, brightness, etc.



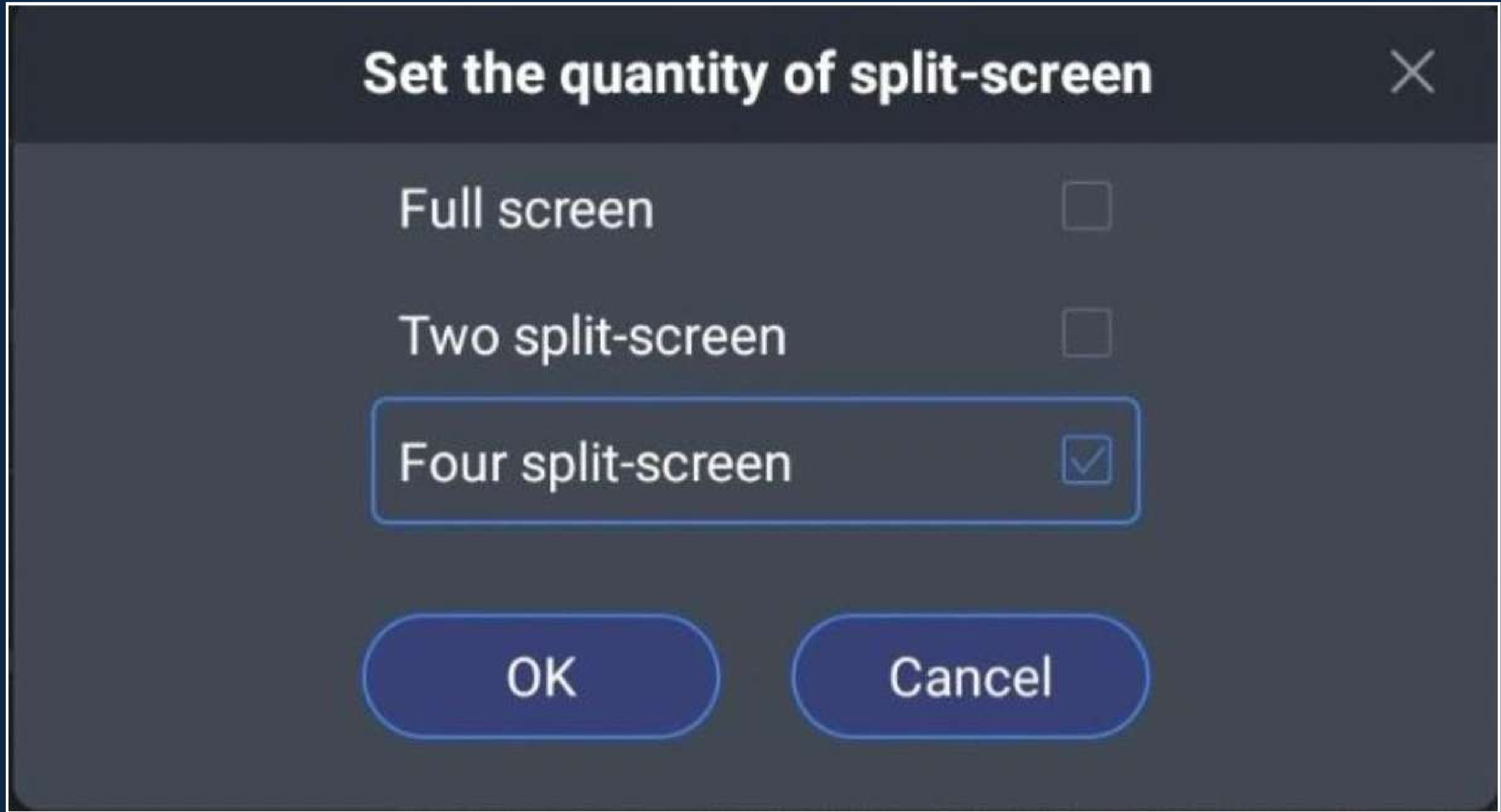
# Signal Seamless Switch & Content Preview, Faster and Easier than Ever



HDMI, wireless mirroring and other signal sources can be switched smoothly without buffer;  
Signal preview function ensures what you see is what you get to avoid irrelevant content play;  
Automatic signal source switching is also enabled by preset.



3 splitting screen modes available



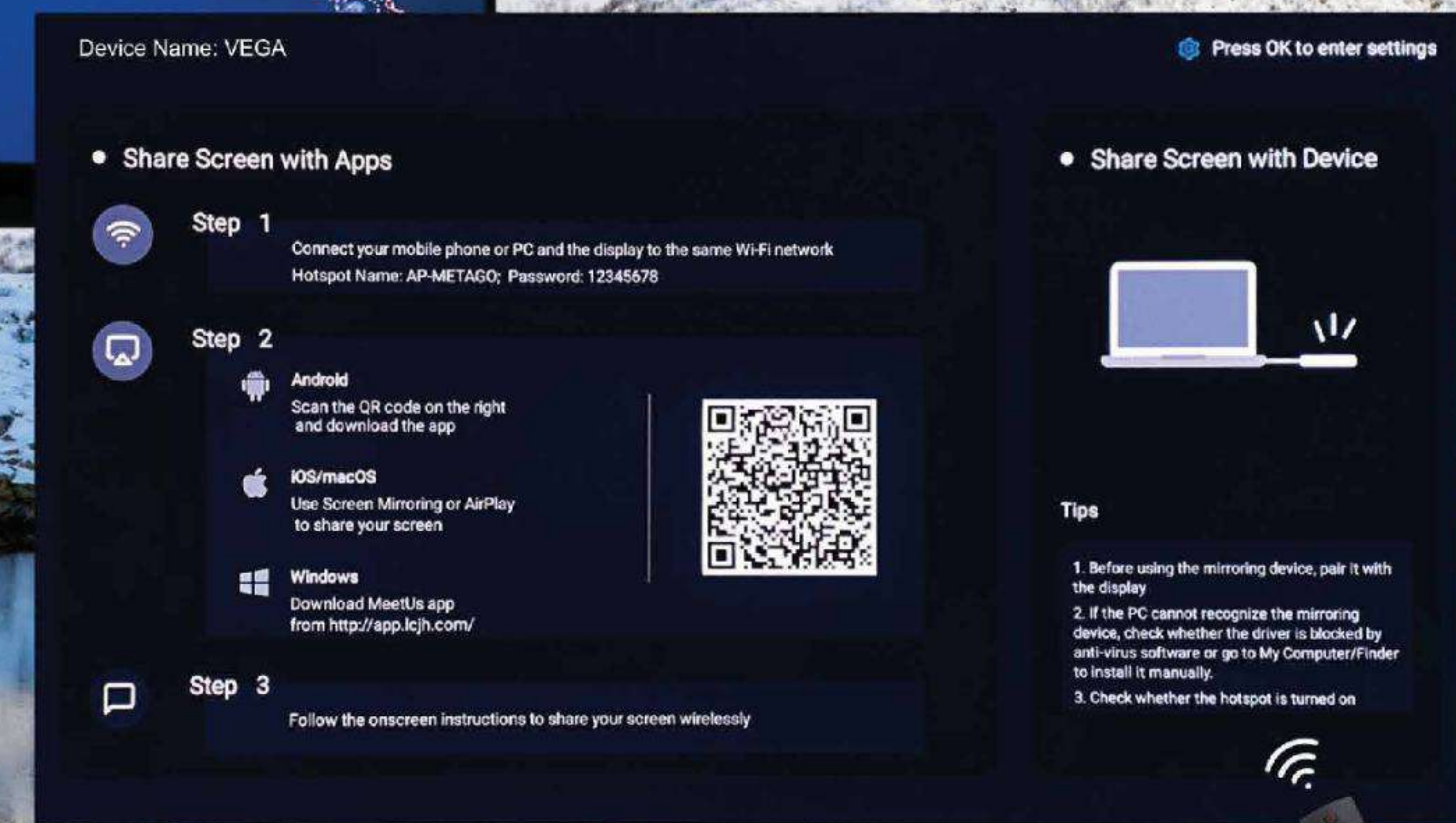
Novastar “Meet us” all in one control





## User-friendly Operation Simplifies Presentation

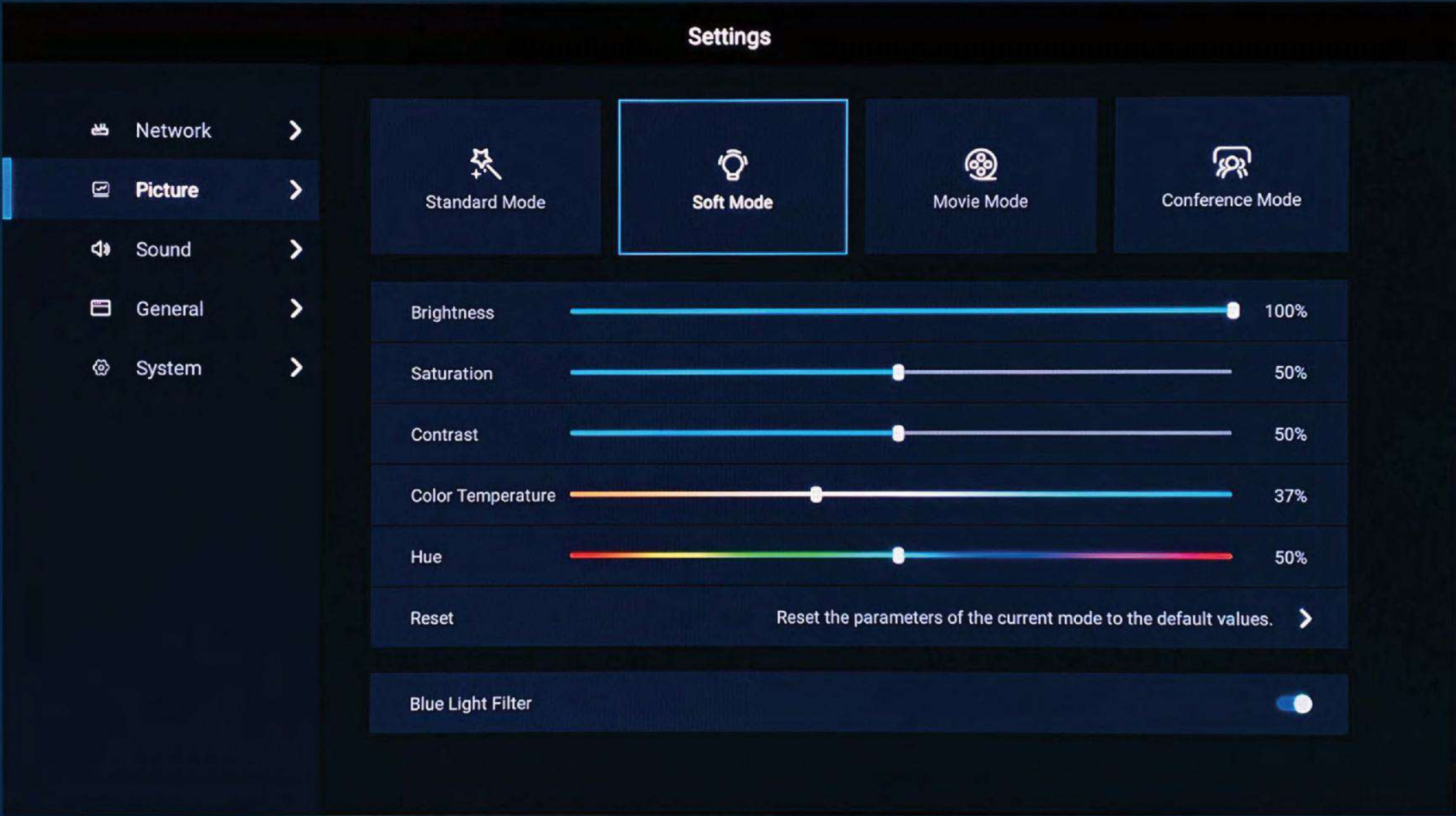
Drop-down desktop menu allows to quick search Apps ;3-step guidance is adopted for a quick start.



## Giant Screen Broadens Your Sight Imperceptibly

Unparalleled super-large size creates cinematic immersive viewing comfort;  
High-clarity broadcasting presents realistic pictures pixel by pixel without distortion;  
Screen brightness and chromaticity can be intelligently calibrated into super high uniformity to avoid color spots.

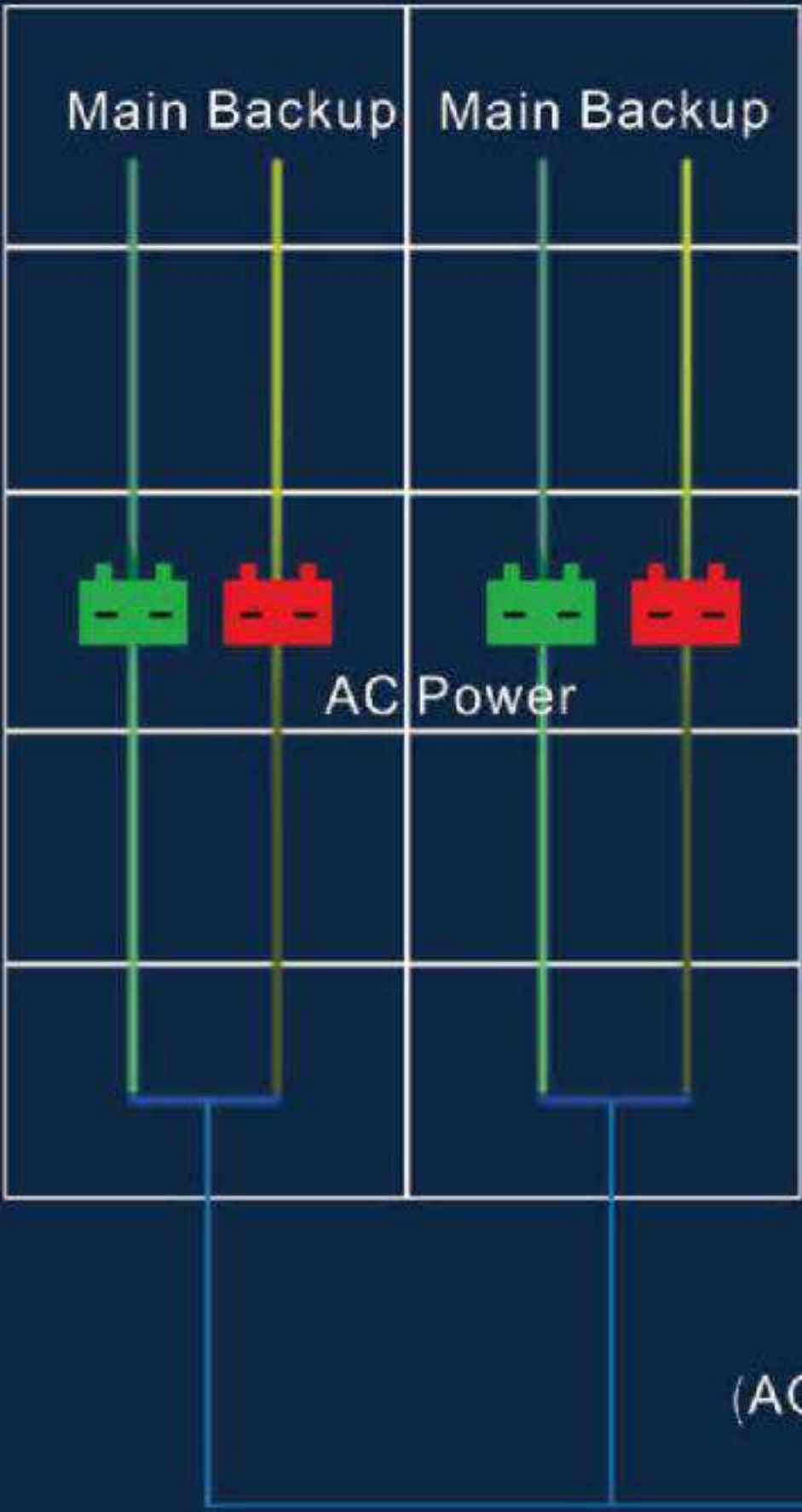
# 4 Intelligent Modes Take on Your Content Meticulously



**Standard Mode:** Neutral color and contrast ratio suitable for daily mirroring, writing and other meeting operations;  
**Soft Mode:** Softer screen brightness, contrast and color suitable for daily document presentation with great viewing comfort;  
**Movie Mode:** Richer color and sharper pictures for cinematic immersive watching experience;  
**Conference Mode:** Intelligently adjust skin color during video conference to make people's faces look more natural.



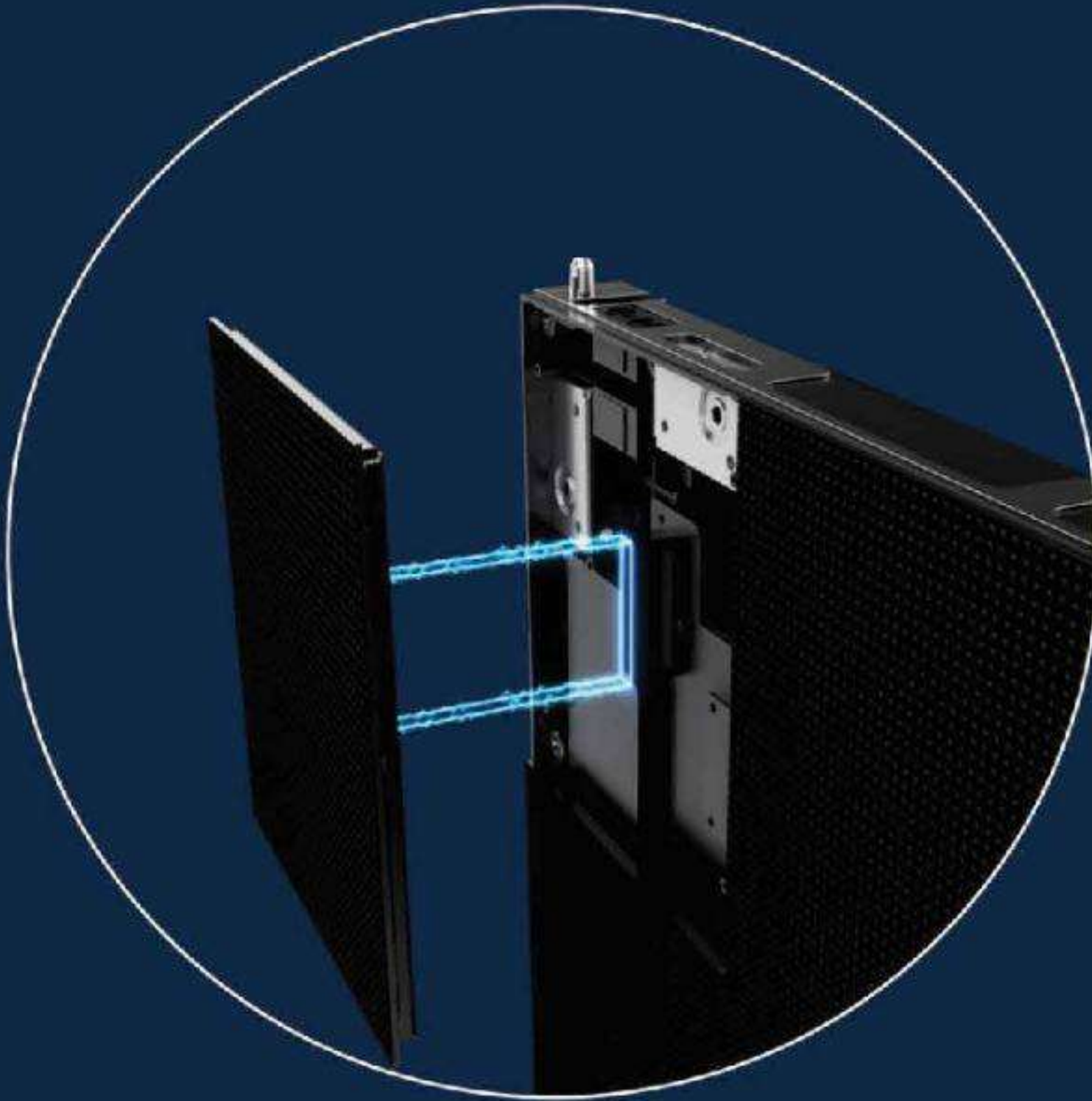
# Non-blackout Screen, Uninterrupted Thoughts



(AC-AC Dual Power Supply Backup Diagram)



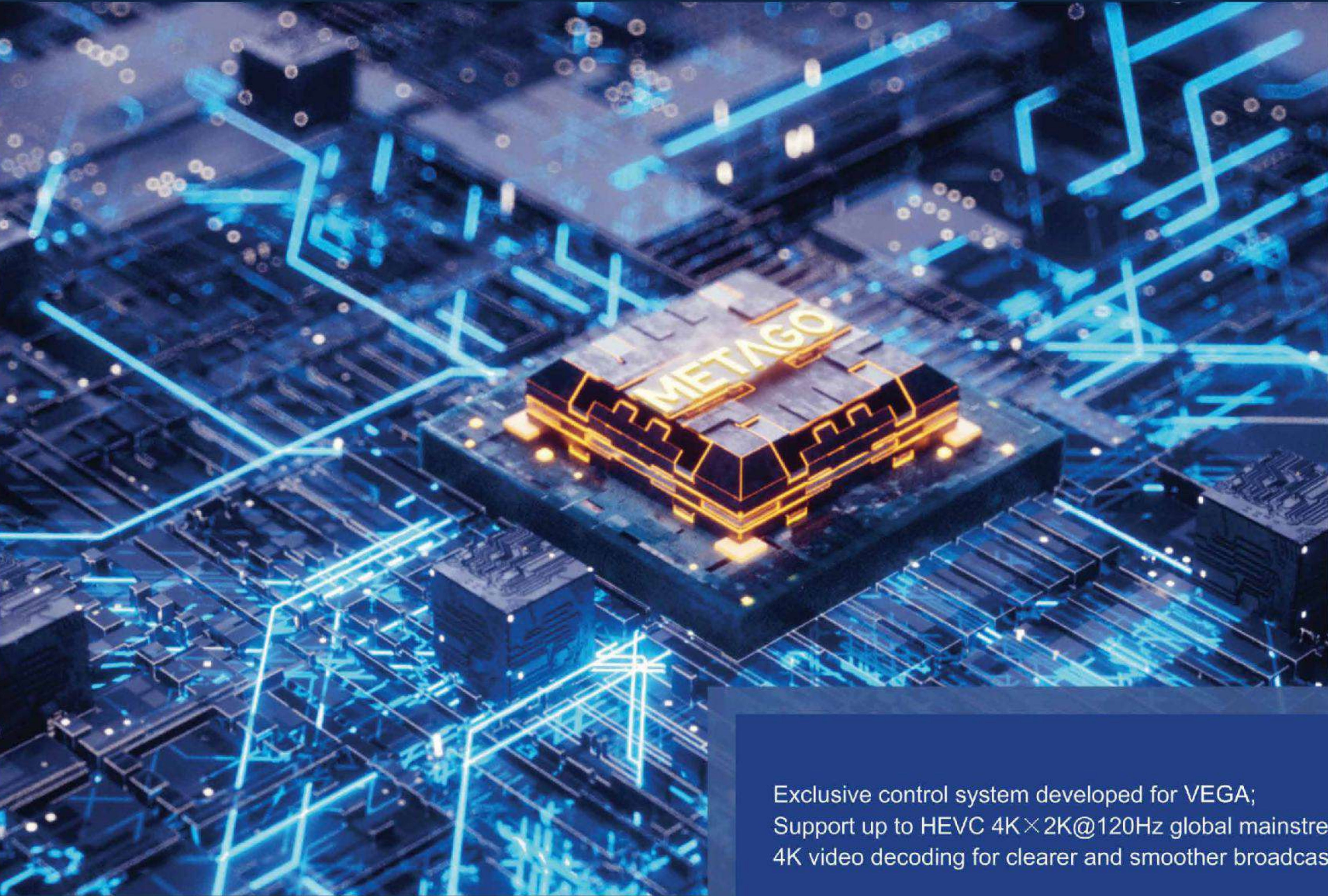
(DC-DC N+1 Power Supply Backup Diagram)



Modularization design with integrated plug-ins doubles the reliability of connection

Integrated plug-in connection inside display units reduces external interference caused by wire disconnection; Dual system & receiving card backup is optional to avoid sudden blackouts for long-time stable presentation.

# More Powerful Processor, More Outstanding Performance



Exclusive control system developed for VEGA; Support up to HEVC 4K×2K@120Hz global mainstream 4K video decoding for clearer and smoother broadcasting.

Applications



Medium Training Room



Large Conference Room



Large Lecture Hall



Private Theatre

Cases



Meeting Room of Integrated Command Center of Xiangcheng District, Suzhou City



Office of Integrated Command Center of Xiangcheng District, Suzhou City



Training Room of Zhejiang Jomking Rosewood Furniture Co., LTD



Training Hall of Zhong'an Chuanggu Technology Park

Cases



Training Room of Shanghai ICC



Reception Hall of Shanghai ICC



Multimedia Classroom of Shanghai American School



Studio of 7th CISM Military World Games

120" integrated LED wall pixel pitch 1.25mm ,  
Overall dimension 2.6m x 1.73m, resolution 2048x 1152 pixels builtin Android, builtin speakers 2x30w, Brightness 550 cd/m2 adjustable, refresh rate 3840hz, wireless hdmi (2 dongles) , view angle H 170 degrees / V 170 degrees, builtin Nova MEE200 world standard All-in-one LED screen controller, stand with wheels included, weight 95 kgs  
Viewing distance >= 1.3meter

Specifications

| Model                            | VEGA 120                                             | VEGA 136    | VEGA 163    | VEGA 220                           |
|----------------------------------|------------------------------------------------------|-------------|-------------|------------------------------------|
| Diagonal                         | 120 inches                                           | 136 inches  | 163 inches  | 220 inches                         |
| LED Pitch                        | P1.25                                                | P1.56       | P1.8        | P2.5                               |
| LED Type                         | SMD1010 GOB                                          | SMD1010 GOB | SMD1010 GOB | SMD1515                            |
| Screen size (mm)                 | 2600x1842                                            | 3030x2502.5 | 3630x2840   | 4924.6x2896.2x39 (90 with Bracket) |
| Display size (mm)                | 2600x1730                                            | 3030x1812.5 | 3630x2150   | 4876.8x2743.2                      |
| Weight (kg)                      | 95                                                   | 140         | 190         | 488                                |
| Display Ratio                    | 16:9                                                 |             |             |                                    |
| Resolution (px)                  | 1920x1080                                            |             |             |                                    |
| Gray scale                       | 12 / 14 / 16                                         |             |             |                                    |
| Refresh Rate (Hz)                | 3840                                                 |             |             |                                    |
| Brightness (nits)                | 550                                                  | 600         | 600         | 600                                |
| Viewing Angle (deg)              | 170                                                  |             |             |                                    |
| Contrast Ratio                   | 8000:1                                               |             |             |                                    |
| Colour Gamut                     | 110%NTSC                                             |             |             |                                    |
| Voltage (V)                      | 110-240V                                             |             |             |                                    |
| Avg. Power Consumption (KW)      | 1.65-2.60                                            | 0.76        | 0.83        | 1.47                               |
| Max. Power Consumption (KW)      | 5.00                                                 | 2.28        | 2.49        | 6.03                               |
| OS                               | Android(Standard)                                    |             |             |                                    |
| Interface                        | USB3.0xUSB2.0x3 / HDMIx4 / 3.5mm TRS                 |             |             |                                    |
| Video Processor                  | NOVA MEE210                                          |             |             |                                    |
| Hardware Configuration           | CPU 64-bit quad-core 1.7 GHz processor / RAM DDR-4GB |             |             |                                    |
|                                  | GPU Mail T820 / ROM 8GB eMMC5.1 (Standard)           |             |             |                                    |
| IP Rate                          | IP31                                                 |             |             |                                    |
| Recommended Viewing Distance (m) | 1.3                                                  | 1.6         | 1.8         | 2.5                                |

\*The above specifications may slightly vary according to different configurations and be changed without further notification. Please contact CALKIN sales representatives for more details. All rights are reserved to CALKIN.